

ABSTRACT OF THE DISCLOSURE

The present invention related to a drug delivery device for mixing and delivering a drug by injection. The devices includes a housing having a first port or opening therein that receives a first container that contains a fluid or powdered drug, for example, a lyophilized drug. The housing can also include a second port or opening that receives a second container that contains a fluid to be mixed with the drug to form an injectable fluid. The device includes a manifold having a channel that fluidly connects the first and second containers. A penetrating membrane such as a needle is used to inject the drug into a patient which is in fluid communication with the first container. The needle is movable from a storage position in the housing to an injection position extending through the housing.